

## FIGURE 2

a.

MVGELRYREFRVPLGPGHLHAYPEDELIQRVGHNGHPEYQIRWLIILRRGDD 50  
 GDRDSTVDCAEHILLWMSDDIYANCHKMLGENGQVIAPSRSETEAGAL 100  
 DKSVLGEMETDVKSILQIRALRQLEECVGTVPAPLLHTVHVSAYASIEP 150  
 LTGIFKDRRVNLLMHMLSSPDYQIRWSAGRMIALSSHDAGTRTOILLS 200  
 LSQBEAIEKHLDFDSCALLALFAQATLTEHPMSFEGVQLPQVGRLLFS 250  
 LVKRYLHVTFLLDRLNGDAGDQGAQNNSPEELNVGRGRLELEFSMAMGT 300  
 LISELVQAMRWGASSRPSESSSSTFQPRPAQFRPYTQFRRSRRFRPRPA 350  
 SFASFNTYALYVRDTLRPGMRVRMLENYEEIAAGDEGQFRQSNDOGVPPAQ 400  
 VLWDSGTGHTYVWHHMLEILGFEEIDIEDVIDIEELQELGANGALSIVPPS 450  
 QRWKPTIQLFAEPYVVEEDRESENLTQAEWWELLFFIRQLSEARLH 500  
 IVDLLQDHLLEERVLDYDMLPELTVPVDLAQDLLLLSLPQQLSDSALRDLF 550  
 SCSVYRKYGPEVLVGHLSYFPVPGAQPNLFGANESEAKDPPLQSASPAL 600  
 QRLVESLGPGEVLVELEQALGSEAPQETEVKSCLLQLQEQPQPLALMR 650  
 SLDTSASNKTLLHLLTVLRILMQLVNFPALLPWEAMDACVTCCLRSPTND 700  
 REVQLIFFLHRLTTTSRDYAVILNQHGARDAISKVLEKHRGKLELAQE 750  
 LRDMVSKCEKHAHLYRKLTTNILGGCIQMVLGQIEDHRRTHRPQIPFFD 800  
 VFLRYLCQGSSEEMKKNRYWEKVEVSSNPQASRLTDNRNPKTYWESSGRA 850  
 GSHFITLHMRPGVIRQLTLLVAGEDSSYPAPWVVVCGGNSIKSVNKELN 900  
 TVNVMPASASRVTLLENLTRFWPIIQIRIKRCQQGGINTRIRGLEVLGPKP 950  
 TFWPVFREQLCRHTRLFYMVRAQAWSQDIAEDRRSLHLSSRLNGALRHE 1000  
 QNFAERFLPDMEEAQAQSKTCWEALVSPLVQNTSPDESDSTSSLGWLLDQ 1050  
 YLGCREEAYNPQSRAAAFSSRVRLTHLLVHVPEPRAAPPVVAIPRSKGR 1100  
 NRIHDSYLIITRGLPSSIMKNLTRCWRSVVEEQMNKFLSASWKDDDFVPR 1150  
 YCERYVQLKSSSELFGPRAAFLAMRNGCADAVRRLPFLRAAHVKQOFA 1200  
 RHIDQRIQSSRMGGARGMEMLAQLQRCLESVLIISPLEIATTFEHHYQHY 1250  
 MADRLLSVGSSWLEGAVLEQIGPCFPSRLPQMQSLQSNVSEELQRFHVY 1300  
 QLQQLQDELLKLEDTEKKIQVAHEDSGREDKSKKEEAIGEAAVAMAE 1350  
 DQGKKEEGEEGEDEEEERYKGTMPVVCVLVTPRFPWVASVCQMLN 1400  
 PATCLPAYLRGTINHYTNFYKSKQSRSLSLEKEPQRRLQWTWQGRAEVQFG 1450  
 GQILHVSTVQMWLLHLNNOKEVSVESLQAISELPPDVLHRAIGPLTSSR 1500  
 GPLDLQEQKNVPGGVVKIRDDSEEPFRRCNVMLIPQTYLQAEAEGRN 1550  
 MEKRRNLNCLVVRILKAHGBEGLHVDRLVYVLWEAWEKGPCPARGLVSS 1600  
 LGRGATCRSSDVLSCILHLLVKGTLRHDDRQPVLYYAVPVTVMPEHMES 1650  
 LNPGSAGNPPLTFHTLQIRSGVPYASCTDNHTFSTFR 1689

b.

p193: LKAHGDE  
 Hrk: LKALGDE  
 Bim: LRRIGDE  
 Bik: LACIGDE  
 Bid: LAQIGDE  
 Blk: LACIGDE  
 EGL-1: LAAMCDD  
 BAD: LRRMSDE  
 BNIP-3: LKKNSDW

Figure 3

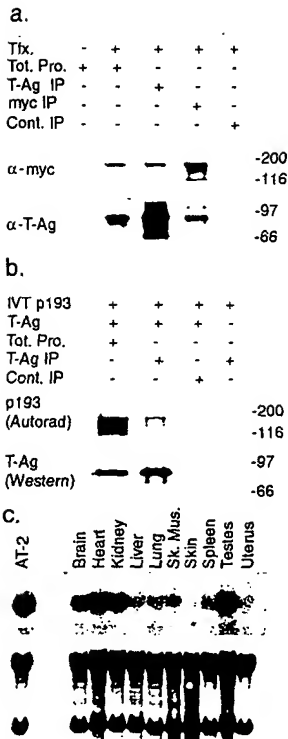


Figure 4

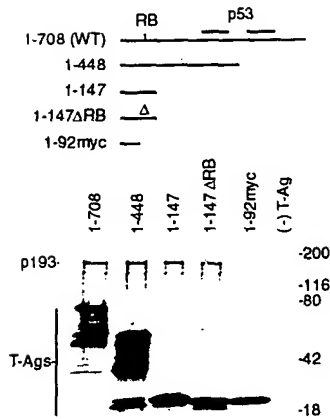
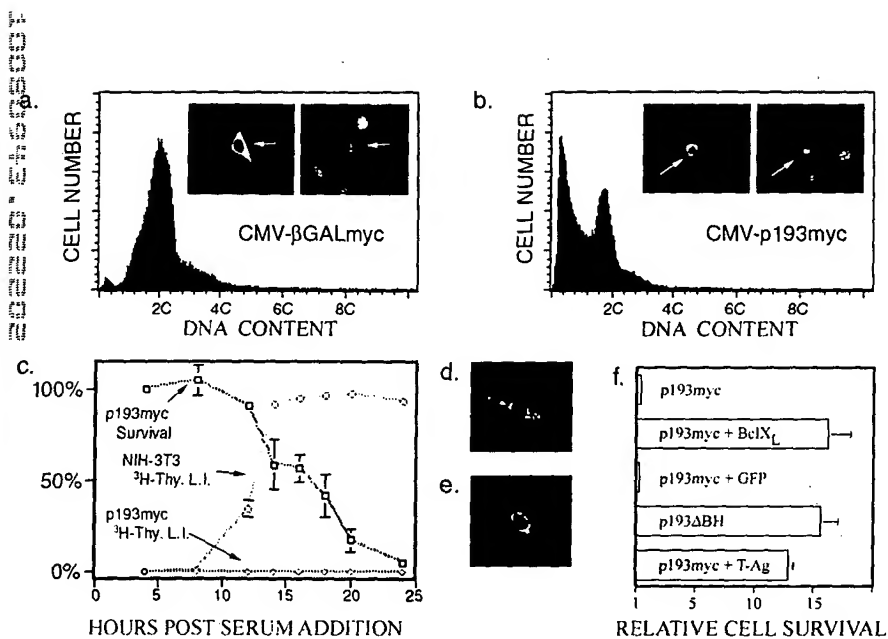
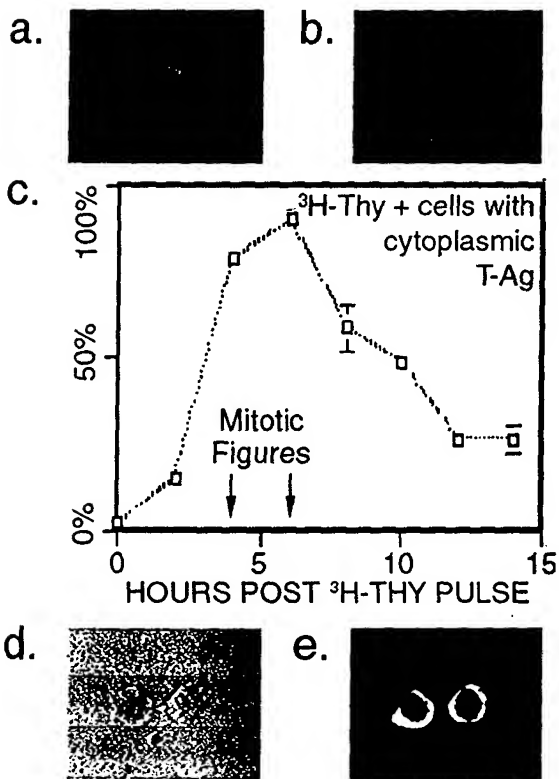


Figure 5.



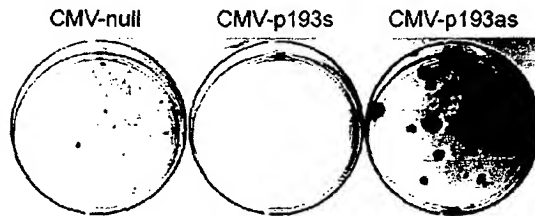
## Figure 6



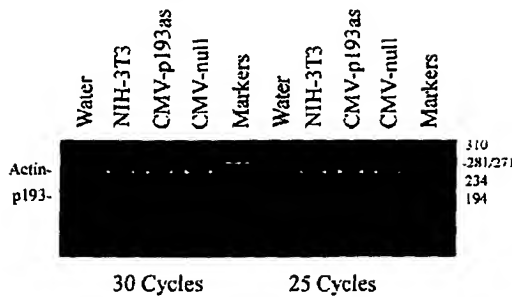
## Figure 7.

### A. NIH-3T3 colony growth assay:

- Transfect with various constructs
- Impose G418 selection
- Stain with gentian violet

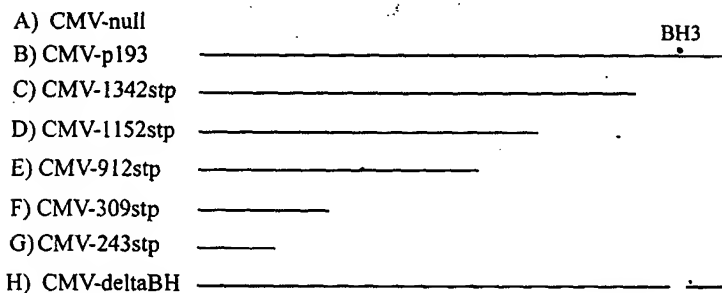


### B. RT-PCR analysis:



## Figure 8.

### A: Structure of CMV expression vectors with nested p193 C-terminal truncations.



### B: Colony growth assay.

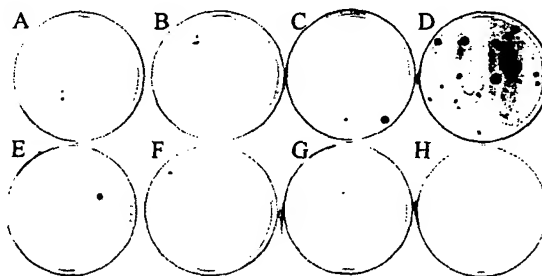




Figure 8C

p193dn Blocks MMS-induced Apoptosis  
in NIH-3T3 Cells:

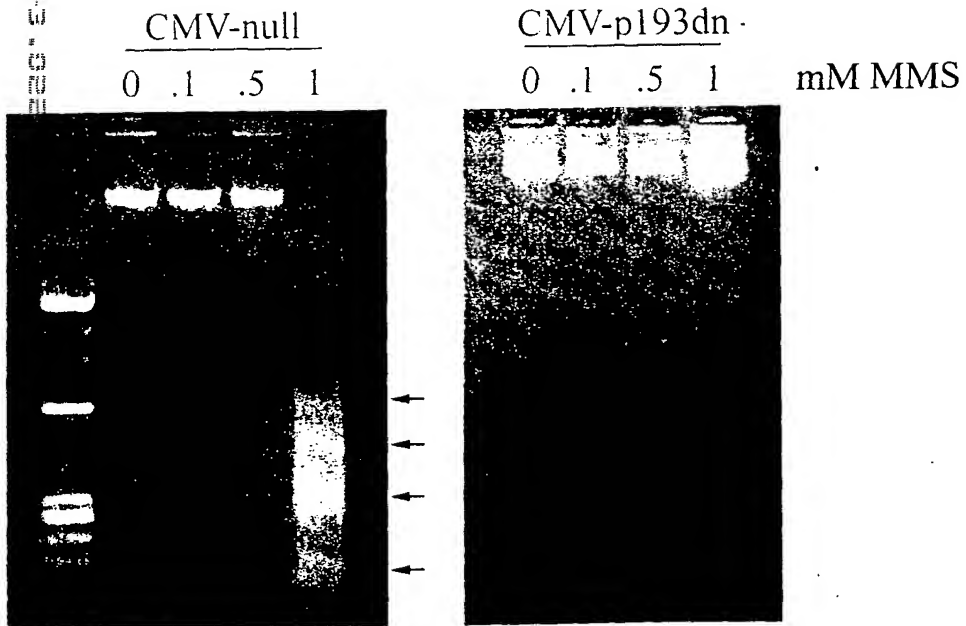
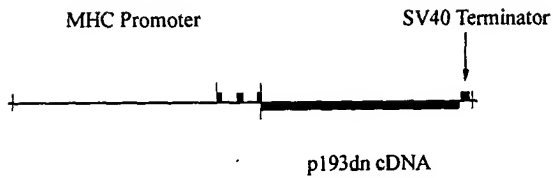


Figure 9.

MHC-p193dn Transgene



# Figure 10.

Northern Blot of transgene expression in MHC-p193dn transgenic mice

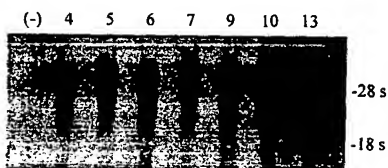


Figure 11.

A.



B.



C.



D.



Figure 12

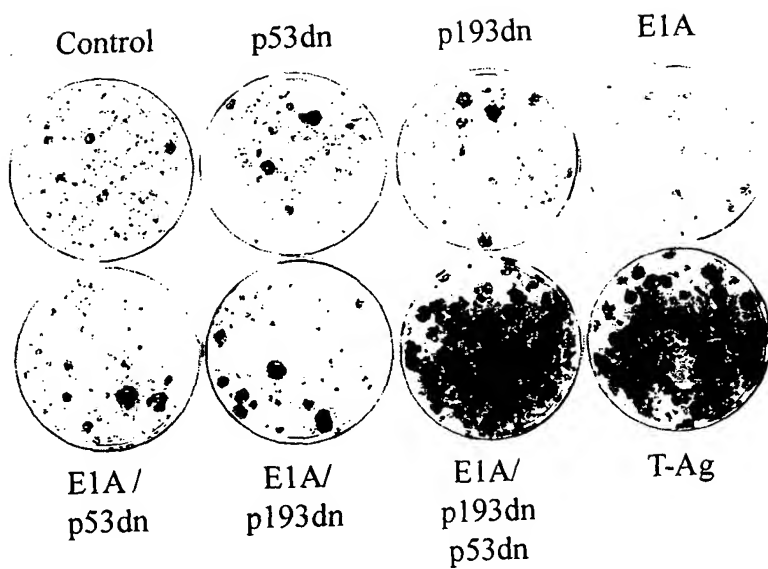
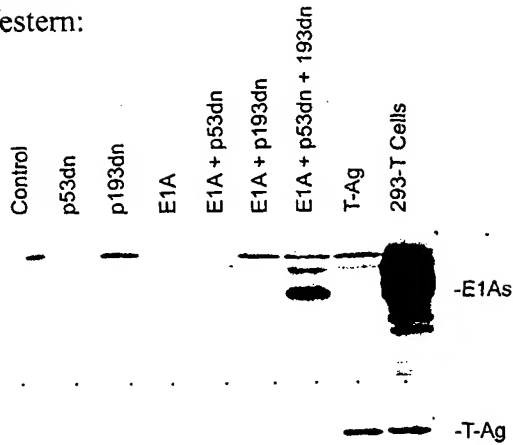


Figure 13

A) Western:



B) DNA Fragmentation:

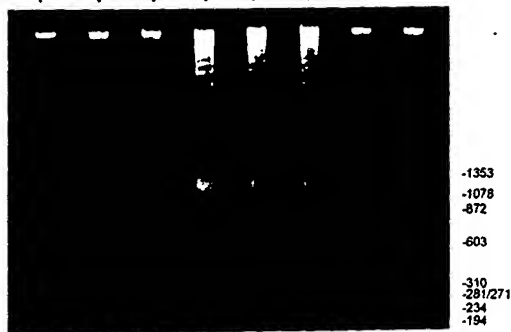
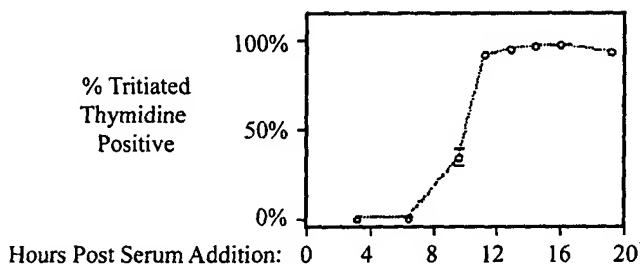


Figure 14

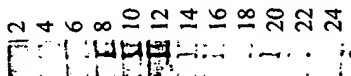
p193 is Expressed in G<sub>1</sub>/S of the Cell Cycle:

A) Cell Cycle Synchronization:



B) Western Analysis of p193 Expression:

Hours Post Serum Addition:



**Figure 15 .**

Isoproterenol induces growth in cardiomyocytes which co-express p193dn and p53dn.

- ISO

+ ISO

